Title (en)
PARALLEL CONNECTED HTS FCL DEVICE

Title (de)
PARALLEL GESCHALTETE HTS FCL-VORRICHTUNG

Title (fr)
DISPOSITIF HTS FCL CONNECTÉ EN PARALLÈLE

Publication
EP 2118982 B1 20130320 (EN)

Application
EP 08780386 A 20080129

Priority
- US 2008052293 W 20080129
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- US 68881707 A 20070320
- US 68882707 A 20070320
- US 68880907 A 20070320

Abstract (en)
[origin: US2008191561A1] A superconducting electrical cable system is configured to be included within a utility power grid. The superconducting electrical cable system includes a superconducting electrical path interconnected between a first and a second node within the utility power grid. A non-superconducting electrical path is interconnected between the first and second nodes within the utility power grid. The superconducting electrical path and the non-superconducting electrical path are electrically connected in parallel. The superconducting electrical path has a lower series impedance, when operated below a critical current level, than the non-superconducting electrical path. The superconducting electrical path has a higher series impedance, when operated at or above the critical current level, than the non-superconductor electrical path.

IPC 8 full level
H01L 39/16 (2006.01); **H02H 9/02** (2006.01)

CPC (source: EP KR US)
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US 67328107 A 20070209; AU 2008214111 A 20080129; AU 2008216583 A 20080129; AU 2008233061 A 20080129; BR PI0807347 A 20080129; BR PI0807527 A 20080129; BR PI0807758 A 20080129; CA 2677680 A 20080129; CA 2677777 A 20080129; CA 2678251 A 20080129; CN 200880011212 A 20080129; CN 200880011213 A 20080129; CN 200880011215 A 20080129; DK 08728454 T 20080129; EP 08728446 A 20080129; EP 08728454 A 20080129; EP 08780386 A 20080129; ES 08728454 T 20080129; JP 2009549169 A 20080129; JP 2009549170 A 20080129; JP 2009549171 A 20080129; KR 20097018866 A 20080129; KR 20117019579 A 20080129; MX 2009008567 A 20080129; MX 2009008568 A 20080129; MX 2009008569 A 20080129; US 2008052290 W 20080129; US 68880907 A 20070320; US 69279310 A 20100125; US 95129310 A 20101122